

Abstract of the Disclosure

A METHOD OF MODULATING A BOOM ASSEMBLY TO PERFORM IN A
LINEAR MANNER

A method of modulating a boom assembly to perform in a linear manner. The boom assembly includes a boom and a stick. The method comprising the steps of sending at least one lever signal to a control device indicative of operator desired direction and desired velocity of the boom and the stick, calibrating the lever signals to provide a boom command signal and a stick command signal, applying an algorithm to the boom command signal and the stick command signal, which the algorithm uses command signal mapping, and providing a modulating factor to the control device as a result of the algorithm.